

1. A communication control system comprising a directory server which comprises:

a communication control unit which refers to said directory data replica to determine whether or not a connection of a communication request from said counter communication end to a mobile phone is permitted, in response to a connection confirmation request which is generated in response to said communication request, and transmits a response indicative permission or non-permission of the connection of said communication request to said mobile phone.

a storage unit which stores said directory data of records, each of which contains at least one of a name, phone number and e-mail address of said counter communication end;

10 a transmitting section which transmits said

3. The communication control system according to claim 2, wherein a group of ones of the records has an edit flag,

5 an editing section which edits the group of
records of said directory data in response to an
operation by the user, and sets said edit flag, and

4. The communication control system according to claim 3, wherein the number of records in each group is one.

a storage unit;

a transmitting section which transmits said download instruction to said directory server; and

a receiving section which receives as said

10 directory data, a part of said directory data replica of records which are read out from said storage unit of said directory server in response to said download instruction, wherein each of the records contains at least one of a name, phone number and e-mail address

15 of said counter communication end.

6. The communication control system according to claim 1, wherein said communication request is a phone call, and each of the records includes said phone number of said counter communication end and further includes a non-permission flag set when said mobile phone should not be connected to said counter communication end and reset when said mobile phone should be connected to said counter communication end.

said communication control system further
10 comprises:

a switching apparatus which generates said connection confirmation request to said directory server in response to said phone call, and connects said phone call to said mobile phone when receiving

15 the permission response, and discards said phone call
to said mobile phone when receiving the non-permission
response, and

wherein said directory server refers to said
directory data replica to determine whether said non-
20 permission flag corresponding to said phone number of
said counter communication end is set or reset,
transmits said permission response to said switching
apparatus when said non-permission flag is reset, and
transmits said non-permission response to said
25 switching apparatus when said non-permission flag is
set.

7. The communication control system according to
claim 1, wherein said communication request is an e-
mail, and each of the records includes said e-mail
address of said counter communication end and further
5 includes a non-permission flag set when said e-mail
should not be delivered to said mobile phone and reset
when said e-mail should be delivered to said mobile
phone,

said communication control system further
10 comprises:

a mail server which generates said connection
confirmation request to said directory server in
response to said e-mail, and delivers said e-mail to
said mobile phone when receiving the permission

wherein said directory server refers to said directory data replica to determine whether said non-permission flag corresponding to said e-mail address of said counter communication end is set or reset, transmits said permission response to said mail server when said non-permission flag is reset, and transmits said non-permission response to said mail server when said non-permission flag is set.

a storage unit which stores directory data of records, each of which contains at least one of a name, phone number and e-mail address of a counter

an operation section which generates an upload instruction in response to an operation by a user of said mobile phone; and

9. The mobile phone according to claim 8,
wherein a group of ones of the records has an edit
flag,

said mobile phone further comprises:

5 an editing section which edits the group of
records of said directory data in response to an
operation by the user, and sets said edit flag, and
said transmitting section transmits the
records of the groups with the set edit flags of said
10 directory data to said directory server in response to
said upload instruction such that said directory data
of records with the set edit flags is stored as the
part of said directory data replica in said directory
server.

10. The mobile phone according to claim 9,
wherein the number of records in each group is one.

11. The mobile phone according to claim 8,
wherein said operation section generates a download
instruction in response to an operation by a user of
said mobile phone, and said transmitting section
5 transmits said download instruction to said external
unit, and

said mobile phone further comprises:
a receiving section which receives said
directory data from said external unit in response to
10 said download instruction.

12. A directory managing system comprises:
a directory server which stores a replica of

directory data; and

a mobile phone which comprises:

5 a storage unit which stores said
directory data of records, each of which contains at
least one of a name, phone number and e-mail address
of said counter communication end;

an operation section which generates
10 an upload instruction in response to an operation by a
user of said mobile phone; and

a transmitting section which transmits
said directory data to said directory server in
response to said upload instruction such that said
15 directory data is stored as a part of said directory
data replica in said directory server.

13. The directory managing system according to claim 12, wherein a group of ones of the records has an edit flag,

said mobile phone further comprises:

5 an editing section which edits the group of
records of said directory data in response to an
operation by the user, and sets said edit flag, and

said transmitting section transmits the records of the groups with the set edit flags of said directory data to said directory server in response to
10 said upload instruction such that said directory data of records with the set edit flags is stored as the

part of said directory data replica in said directory server.

14. The directory managing system according to claim 13, wherein the number of records in each group is one.

15. The directory managing system according to claim 12, wherein said operation section generates a download instruction in response to an operation by a user of said mobile phone, and said transmitting section transmits said download instruction to said directory server, and

said mobile phone further comprises:

a receiving section which receives as said directory data, a part of said directory data replica
of records which are read out from said storage unit
10 of said directory server in response to said download instruction, wherein each of the records contains at least one of a name, phone number and e-mail address of said counter communication end.

16. A communication control method comprising the steps of:

(a) generating a connection confirmation request in response to a communication request;

5 (b) referring to a directory data replica to

10 counter communication end; and

15 request from said counter communication end to said
mobile phone is permitted.

5 said communication control method further
comprises the steps of:

10 said directory data replica in response to said upload
instruction.

an edit flag,

mobile phone should not be connected to said counter communication end and reset when said mobile phone should be connected to said counter communication end,

said (a) generating step comprises the step

10 of:

generating said connection confirmation request in response to said phone call,

said (b) referring step comprises the steps of:

15 referring to said directory data replica to determine whether said non-permission flag corresponding to said phone number of said counter communication end is set or reset,

said (c) transmitting step comprises the

20 steps of:

generating said permission response when said non-permission flag is reset;

connecting said phone call to said mobile phone in response to said permission response;

25 generating said non-permission response to said switching apparatus when said non-permission flag is set; and

discarding said phone call to said mobile phone in response to said non-permission response.

22. The communication control method according to claim 16, wherein said communication request is an e-

mail, and each of the records includes said e-mail
address of said counter communication end and further
5 includes a non-permission flag set when said e-mail
should not be delivered to said mobile phone and reset
when said e-mail should be delivered to said mobile
phone,

said (a) generating step comprises the step
10 of:

generating said connection confirmation
request in response to said e-mail,

said (b) referring step comprises the step
of:

15 referring to said directory data replica to
determine whether said non-permission flag
corresponding to said e-mail address of said counter
communication end is set or reset,

said (c) transmitting step comprises the
20 steps of:

generating said permission response when said
non-permission flag is reset;

delivering said e-mail to said mobile phone
in response to said permission response;

25 generating said non-permission response when
said non-permission flag is set; and

discarding said e-mail to said mobile phone
in response to said non-permission response.

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